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Application Number

10/796,435

March 9, 2004

Surajit Chaudhuri

2171

Examiner Name
N/A

Attorney Docket Number

301559.01

After Allowance Communication to TC

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☐ Fee Transmittal Form ☐ Fee Attached	⊠	Assig	nment Papers (8 pag	ges)		After Allowance	Communication to TC
Amendment / Reply		Draw	ing(s) ( sheets)			Appeal Commun Appeals and Inte	nication to Board of erferences
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Extension of Time Request	A copy from a prior application			Proprietary Infor	rmation		
Express Abandonment Request		Licen	sing-related Papers			Status Letter	
☐ Information Disclosure Statement with Form PTO/SB/08A (3 pages)		Petitic	on .			Application Data	a Sheet
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to the USPTO at (703)  March 21, 2005  Date  Paul Heynssens Printed Name  Rem			fees required, or 0463 for the abo	credit any o ve identified	verpa pater	yments, to Depo nt application.	arge any additional osit Account No. 50-
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Name of Attorney or Agent P			l Heynssens				
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Customer Number:			22071				

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Surajit Chaudhuri

Attorney Docket No.: 301559.01

Application No.: 10/796,435

Group Art Unit: 2171

Filed: 03/09/2004

Examiner: N/A

Customer No.:

22971

Confirmation Number: 1860

Title: TRANSFORMATION TOOL FOR MAPPING XML TO RELATIONAL DATABASE

**Commissioner for Patents** Mail Stop Amendment P.O. Box 1450 Alexandria VA 22313-1450

# **STATEMENT FILED PURSUANT TO** THE DUTY OF DISCLOSURE UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

# PART I: Compliance with 37 C.F.R. § 1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case. No fee or certification is required.

## PART II: Remarks

The Applicant hereby makes of record in the above-identified application the information listed on the attached forms PTO/SB/08A and 08B. The order of presentation of the references should not be construed as an indication of the importance of the references. Documents cited on the attached forms PTO/SB/08A and 08B are enclosed unless otherwise indicated. It is respectfully requested that:

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO/SB/08A be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
- 3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. § 102.

Notwithstanding any statement by the Applicant, the Applicant urges the Examiner to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

Microsoft Corporation, Applicant

Paul Heynssens, Reg. No. 47,648 Microsoft Corporation Redmond,

Washington

Telephone (425) 707-3913

Dated: March 21, 2005

## **CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]**

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Title Of Invention Transformation Tool for Mapping XML to Relational Substitute for form 1449/PTO Database 10/796,435 **Application Number** INFORMATION DISCLOSURE 03/09/2004 Filing Date STATEMENT BY APPLICANT Surajit Chaudhuri First Named Inventor (use as many sheets as necessary) Art Unit Examiner Name 3 Sheet 1 **Attorney Docket Number** 301559.01

U.S. PATENT DOCUMENTS						
Examiner	Cite	U.S. Patent Document	Publication Date	Name of Patentee or	Pages Columns Lines When	
Initials*	No.1	Number - Kind Code² (if known)	MM-DD-YYYY	Applicant of Cited  Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.¹	Foreign Patent Document  Kind Code <sup>s</sup> Country Code <sup>3</sup> Number <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Cite Initials' No.1		Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
	С	S. Agrawal, S. Chaudhuri, and V. R. Narasayya. <i>Automated Selection of Materialized Views and Indexes for SQL Databases</i> . In VLDB, 2000.		
	D	S. Banerjee, V. Krishnamurthy, M. Krishnaprasad, and R. Murthy.  Oracle8i - The XML Enabled Data Management System. In ICDE, 2000.		
	E	P. Bohannon, J. Freire, P. Roy, and J. Simeon. From XML Schema to Relations: A Cost-Based Approach to XML Storage. In ICDE, 2002.		
	F	N. Bruno, N. Koudas, and D. Srivastava. <i>Holistic Twig Joins: Optimal XML Pattern Matching</i> . In SIGMOD, 2002.		

Examiner	Date	
Signature	Considere	ed

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement—PTO/SB/08a&b

Matter No.: 301559.01

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITALLETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
	C	S. Chaudhuri and V. R. Narasayya. <i>An Efficient, Cost-Driven Index</i>	
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Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 $Information\ Disclosure\ Statement-PTO/SB/0\,8a\&b$ 

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WPO StandardST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Examiner Initials*	Cite No.1	Include name of the author (in CAPITALLETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.	T?		
	S	G. Valentin, M. Zuliani, D. C. Zilio, G. M. Lohman, and A. Skelley. <i>DB2 Advisor: An Optimizer Smart Enough to Recommend Its Own Indexes.</i> In ICDE, 2000.			
	Т	H. Wang, S. Park, W. Fan, and P. S. Yu. <i>ViST: A Dynamic Index Method</i> for Querying XML Data by Tree Structures. In SIGMOD, 2003.			

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Signature	Considered	

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Information Disclosure Statement-PTO/SB/08a&b

Matter No.: 301559.01

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (MPO StandardST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.